GOVERNMENT OF ANDHRA PRADESH
ABSTRACT

Energy Department – Promotion of RE Power Projects under AP RE Export Policy 2020 – Allotment of lands on lease basis – Norms for allocation of extent of land for setting up of Solar and Wind Power Projects in the State - Orders-Issued.

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ENERGY (POWER.II) DEPARTMENT

G.O.Ms.No.13 **Dated:20.06.2023**

Read the following:-

1. AP RE Export Power Policy 2020 issued vide G.O.Ms.No.20, Dt.17.07.2020 of Energy (Power-II) Department.
2. G.O.Ms.No.20, Dated 13.09.2022 of Energy (Power-II) Department.
3. From the VC & MD, NREDCAP, Tadepalli, Guntur District, letter No.NREDCAP/SE/APREEP/159/2023, dated: 27-01-2023.

O R D E R: -

In the reference G.O.1st read above, the Government of Andhra Pradesh have notified AP Renewable Energy Export Policy 2020 to promote Renewable Energy Power Projects in the State. Under the policy, it is proposed to aggregate the lands in wind/solar power potential areas and allocate to the developers for setting up of Renewable Energy Power Projects.

2. The Vice Chairman & Managing Director, NREDCAP, Tadepaili, Guntur district in the reference 3rd above, has stated that the MNRE, Government of lndia, New Delhi has earlier considered the requirement of land for solar power projects as 5 acres per MW and whereas for wind power projects as 2.5 acres per MW. However, due to improvement of efficiencies and increase in capacity of solar modules the requirement of land has come down in the recent times. As per the directions issued during the review of Energy activities by the Hon'ble Chief minister, the views of various stakeholders on extent of land to be allocated for each MW have been obtained in regard to allocation of land for setting up of Renewable Energy Projects. Based on the feedback received from the stakeholders, it was proposed to allot the land to solar and wind power projects for each MW capacity as follows: -

1. Solar Power Projects without tracking: 4.5 acres on AC capacity
2. Solar Power Projects with Single-Axis tracking: 6 acres on AC capacity
3. Wind Power Projects 2.5 acres

3. As per the guidelines of Ministry of New and Renewable Energy (MNRE), Government of India, New Delhi, the land requirement for Solar Power projects is

5 Acres/ MW. Further, it was indicated by the Solar Energy Corporation of lndia (SECI) in their official website that land requirement would be 5 Acres/ MW in case of Solar Power Projects. The solar power plant consists of installation of Solar Modules, inverters, Control Panels, Substation, etc., and the total land of 5 Acres/ MW will consist of all these project components. ln other States like Rajasthan, the land considered under Solar Power Policy 2019 is 2 HA/ MW (5 Acres/ MW). ln case of Trackers are installed to improve overall efficiency of the solar power plant, the land requirement will be higher and under Rajasthan Solar Policy 2019, the land considered for Solar Power plants with Trackers is 3 Ha/ MW (7.5 Acres/ MW).

4. As per the Government land allotment policy issued vide GO Ms No. 571, Dt.14.09.2012 by Revenue (Assn-I) Dept., the land considered for allocation of Solar Power Projects is 2 HA/ MW (5 Acres/ MW)

5. ln respect of Wind Power Projects, the land requirement would be 1 HA/MW (2.5 Acres/ MW) and the land allotment is considered on footprint basis. The land is required for lowering windmills and movement of crane in case of maintenance and accordingly the land is proposed as 1 HA/MW (2.5 Acres/ MW).

6. After detailed examination of the entire matter and taking consideration of the views of the stakeholders and various aspects, the Government hereby issues orders on allocation of land for setting up of solar and wind power projects for each MW capacity is as follows:

1.Solar Power Projects without tracking: 4.5 acres on AC capacity
2.Solar Power Projects with Single-Axis tracking: 6 acres on AC capacity
3.Wind Power Projects 2.5 acres

7. The Vice Chairman & Managing Director, New and Renewable Energy Development Corporation of Andhra Pradesh Ltd., Tadepalli, Guntur District shall take further necessary action accordingly.

8. This order issues with the concurrence of Finance Department vide U.O.No.Fin01-FMU0ASD(IIE)/4/2020, -FMU-IIEIC, dated:15-03-2023.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)

K.VIJAYANAND
SPECIAL CHIEF SECRETARY TO GOVERNMENT

To
The Vice Chairman & Managing Director, NREDCAP, Tadepalli, Guntur District
The Special Chief Secretary to Government, Revenue Department.
The Chief Commissioner of Land Administration & Special Chief Secretary, APIIC Towers, Mangalagiri.

The Special Chief Secretary to Govt., Finance Department
The Special Chief Secretary to Govt., Industries & Commerce Department
All Collectors & District Magistrates.

Copy to
The Commissioner of Industries Department, Vijayawada.
The Chairman & Managing Director, APTRANSCO, Vidyuth Soudha, Vijayawada.
The Managing Director, APGENCO, Gunadala, Vijayawada.
The Chairman & Managing Director, APSPDCL, Tirupati.
The Chairman & Managing Director, APCPDCL, Vijayawada.
The Chairman & Managing Director, APEPDCL, Visakhapatnam.
The Managing Director, APSPCL, Tadepalli, Guntur District.
The P.S to Special Chief Secretary to Chief Minister.
The P.S. to Secretary to Chief Minister.
The P.S. to Minister, Energy, FES&T, Mines & Geology.
The P.S. to the Special Chief Secretary to Govt., Energy Dept
SF/SC.

//FORWARDED :: BY ORDER//

SECTION OFFICER

Signed by Vani Kinthada
Date: 20-06-2023 16:09:20
Reason: Approved